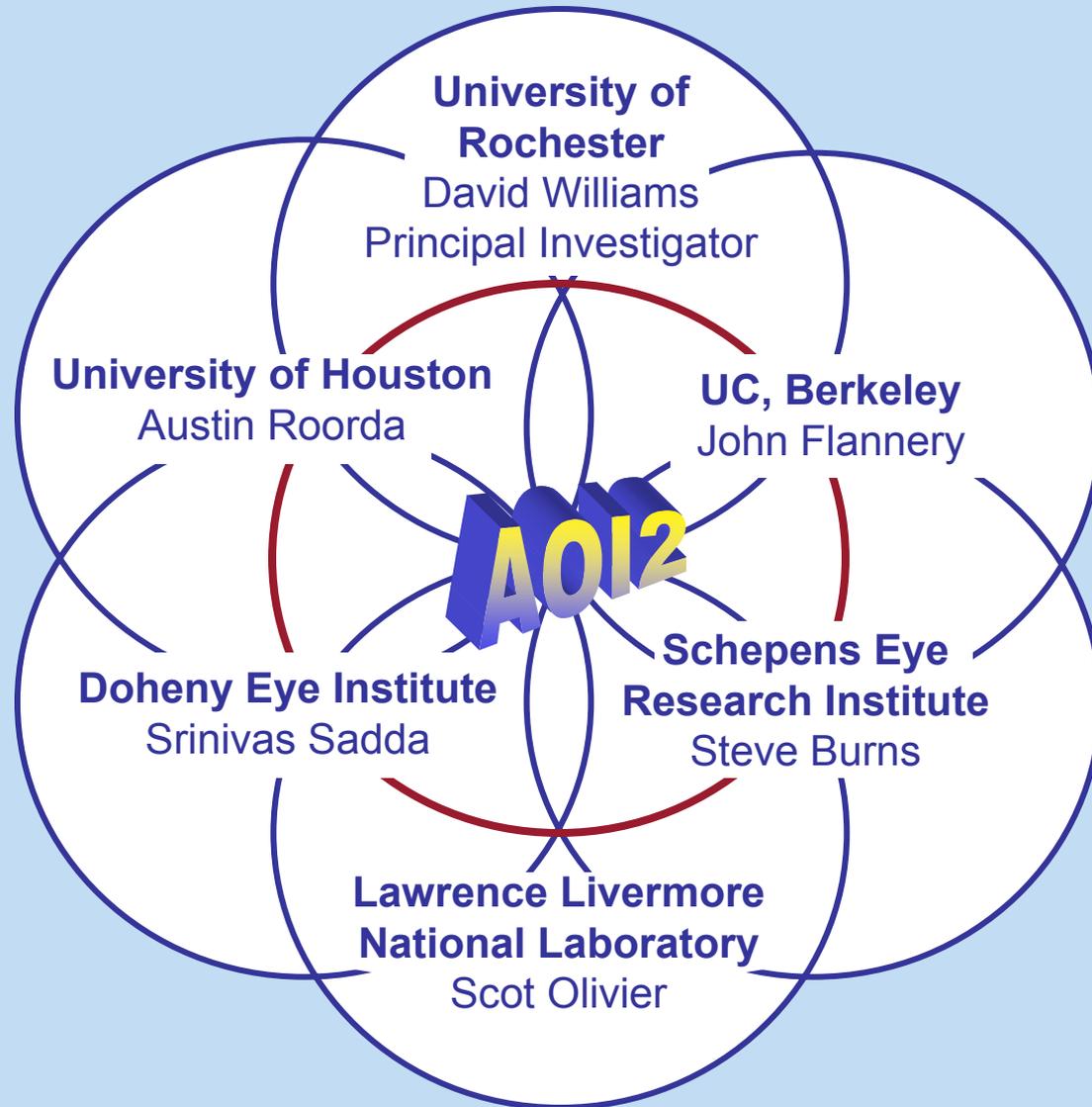


**National Eye
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Adaptive Optics Instrumentation for Advanced Ophthalmic Imaging

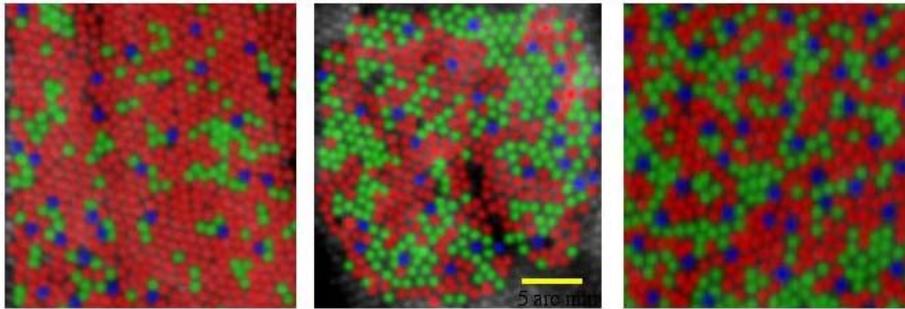
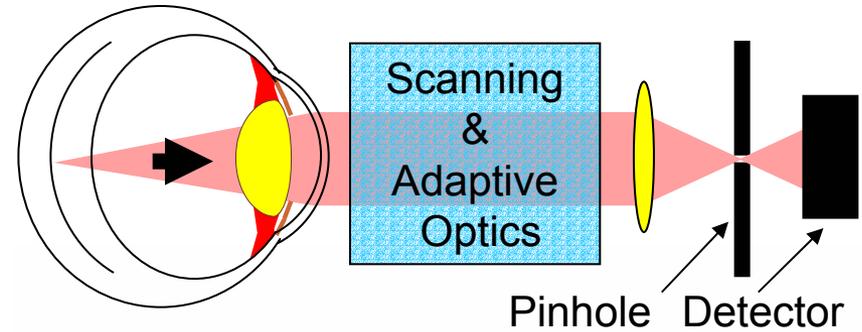
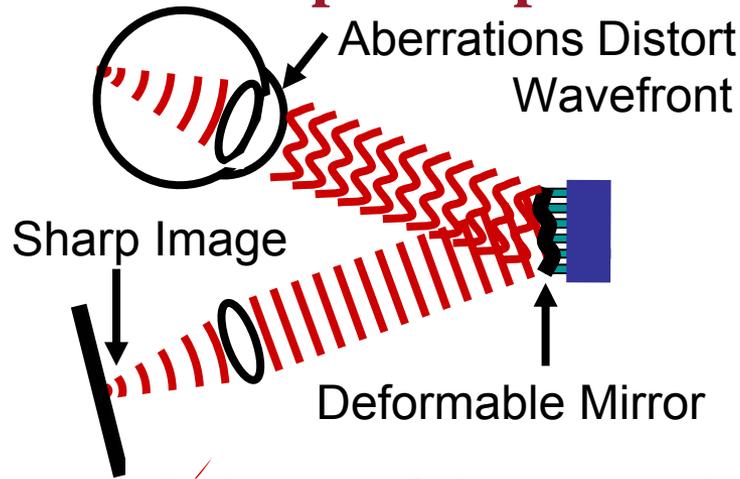


In Vivo Microscopic Imaging of Human Retina

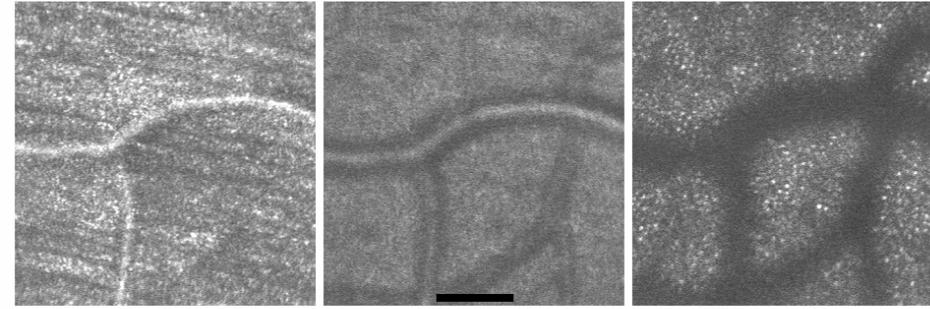
Adaptive Optics

+

Confocal Ophthalmoscopy



Single Cell Transverse Resolution



Optical Sectioning in Depth

- **Image vascular disease at high resolution**
- **Monitor retinal blood flow without fluorescein angiography**
- **Track photoreceptor loss in retinal degenerative diseases**
- **Track ganglion cell loss in glaucoma**
- **Retinal microsurgery**